

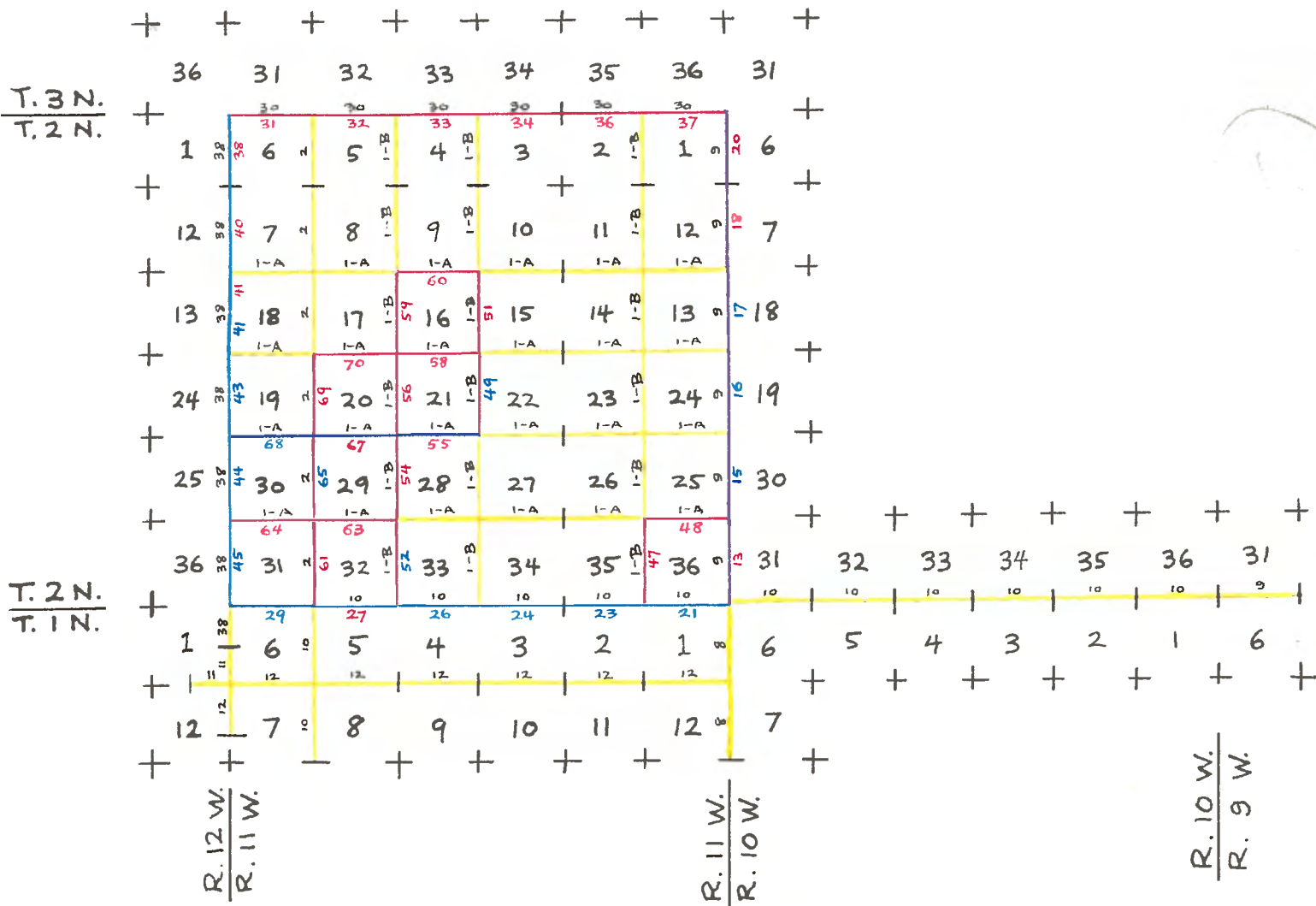
FIELD NOTES OF T. 2 N., R. 11 W

COPY OF

CERTIFIED COPY

INDEX DIAGRAM

TOWNSHIP 2 NORTH, RANGE 11 W



— CONNECTING LINES
— LINES RESURVEYED BY D. R. AVERILL
— LINES RESURVEYED BY R. F. WILSON

DEPARTMENT OF THE INTERIOR

GENERAL LAND OFFICE

Public Survey Office

San Francisco, California.

April 17th, 1929.

I, FRANK E. BARKER, Office Cadastral Engineer,

do hereby certify that the annexed transcript of field

notes of the Resurvey of the North and East Boundaries,

Resurvey and Survey of the South and West Boundaries,

and Resurvey and Survey of a Portion of the Subdivisions

of T. 2 N., R. 11 W., San Bernardino Meridian, executed

by Dupree R. Averill, U.S. Surveyor and Roger F. Wilson,

U.S. Translators, under Special Instructions dated Nov 13,

1926 and Assignment Instructions dated November 4, 1926,

is a true and literal exemplification of said field notes

as they remain on file and of record in this office.

FRANK E. BARKER (Signed)

Office Cadastral Engineer

for California.

Book A.

FIELD NOTES

OF THE RESURVEY OF THE

North and East Boundaries,
Resurvey and Survey of the South and West Boundaries,

and

Resurvey and Survey of a Portion of the
Subdivisions of T.2 N., R.11 W.

Of the San Bernardino Meridian, in the State of

California

EXECUTED BY

Dupree R. Averill, U.S. Surveyor,

and

Roger F. Wilson, U.S. Transitman,

In the capacity of U. S. Surveyors, under Special In-
structions dated November 13, 1926, issued by the District
Industrial Engineer to Govern surveys included in Group
No. 165, which were approved by the Commissioner of the
General Land Office, December 6, 1926, and Assignment In-
structions dated November 4, 1926.

Survey commenced November 10, 1926.
Survey completed September 24, 1927.

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Chains.

From the cor. of secs. 25, 30, 31 and 36, on E. bdy of Tp. 33 and 29-32, searching at record distances for orig. cots. without success, and setting temp. cots. at such record distances.

402.81 Record distance; set temp. cor. of secs. 29, 30, 31 and 32.

442.81 No trace of $\frac{1}{2}$ sec. cor. bet. secs. 30 and 31. Set temp. cor.

From the cor. of secs. 19, 24, 25 and 30, on E. bdy of Tp. 21-28, 20-29 and 19-30, searching at record distances West on a random line bet. secs. 24-25, 23-26, 22-27, for original cots., without success, and setting temp. cots. at such record distances.

478.98 Fall 4.69 obs. N. of the cor. of secs. 19 and 30, only, on W. bdy of Tp.

From the cor. of secs. 13, 18, 19 and 24, on E. bdy of Tp. West on a random line bet. secs. 13-24, 14-23, 15-22, 16-21, 17-20 and 18-19, searching at record distances for orig. cots., without success, and setting temp. cots. at such record distances.

477.16 Fall 4.53 obs. N. of the cor. of secs. 18 and 19, only, on W. bdy of Tp.

From the cor. of secs. 7, 12, 13 and 18, on E. bdy of Tp. West on a random line bet. secs. 12-13, 11-14, 10-15, 9-16, 8-17 and 7-18, searching at record distances for orig. cots., without success, and setting temp. cots. at such record distances.

475.26 Fall 4.58 obs. N. of the cor. of secs. 7 and 18, only, on W. bdy of Tp.

244.00 Fall .89 obs. E. of the temp. cor. of secs. 16,17,20 and 21.

163.52 Fall 2.42 obs. E. of the temp. cor. of secs. 20,21,28 and 29.

82.94 Fall 2.50 obs. E. of the temp. cor. of secs. 28,29,32 and 33.

From the cor. of secs. 4,5, 32 and 33, on S. bdy of Tp. North on a random line bet. secs. 32-33, 28-29, 20-21, 16-17, 8-9 and 4-5, searching at record distances for orig. cor. without success, and setting temp. $\frac{1}{2}$ sec. cor. only, at their record distances.

482.01 Fall 7.88 obs. W. of the cor. of secs. 3,4,33 and 34, on N. bdy of Tp. and 16.

323.74 Fall 1.57 obs. E. of the temp. cor. of secs. 9,10,15 and 22.

243.35 Fall .68 obs. E. of the temp. cor. of secs. 15,16,21 and 28.

163.09 Fall 1.91 obs. E. of the temp. cor. of secs. 21-22, 27 and 28.

123.50 Santa Anita-Ban Gabriel Divide, bears E. and W. from the cor. of secs. 3,4,33 and 34, on S. bdy of Tp. North on a random line bet. secs. 33-34, 27-28, 21-22, 15-16, 9-10 and 3-4, searching at record distances for orig. cor. without success and setting temp. $\frac{1}{2}$ sec. cor. only, at their record distances.

482.90 Fall 282 lks. W. of the cor. of secs. 1,2,35 and 36, on N. bdy of Tp. and 36.

81.05 Fall 66 lks. E. of the temp. cor. of secs. 25,26,35 and 36.

From the cor. of secs. 1,2,35 and 36, on S. bdy of Tp. North on a random line bet. secs. 35-36, 25-26, 23-24, 13-14, 11-12 and 1-2, searching at record distances for orig. cor. without success, and setting temp. $\frac{1}{2}$ sec. cor. only, at their record distances.

Chains

Chains

324.48 Fall 2.36 chs. R. of the temp. cor. of secs. 8, 9, 16
 and 17.
 482.38 Fall 8.17 chs. W. of the cor. of secs. 4, 5, 32 and 33
 on N. bdy of Tp.

From the cor. of secs. 5, 6, 31 and 32, on S. bdy of Tp.
 North on a random line bet. secs. 31-32, 29-30, 19-20,
 17-18, 7-8 and 5-6, searching at record distances for
 original cor. without success, and setting temp. $\frac{1}{2}$ sec.
 cor. only, at their record distances.

83.86 Fall 3.08 chs. E. of the temp. cor. of secs. 29, 30, 31 and
 32.
 164.58 Fall 2.26 chs. E. of the temp. cor. of secs. 19, 20, 29 and
 30.
 245.16 Fall .88 chs. E. of the temp. cor. of secs. 17, 18, 19 and
 20.
 482.58 Fall 8.52 chs. W. of the cor. of secs. 5, 6, 31 and 32,
 on N. bdy of Tp.

one. N.
 by a nail in a stake driven firmly in the ground, 5.00
 19' to the east and mark the meridian thus determined
 At 7h. 30m. a.m., I lay off the azimuth of Polaris, 1
 Azimuth of Polaris at western elongation is 191'.
 driven in the ground, 5.00 chains north.
 mean point in the line thus determined, on a stake
 scope in direct and reversed positions, and mark the
 ation, making four observations, two each with the tel-
 4h. 17m. a.m., 1.m.t. I observe Polaris at western elong-
 W., S.B.M., latitude 34.16' N., longitude 118.06' W. at
 November 10, 1926, at camp. In section 14, T. 2 N., R. 12
 I proceed as follows:

with a meridian determined by observations on Polaris,
 from solar observations made during a.m. and p.m. hours
 solar apparatus, by comparing its indications, resulting
 the level and collimation errors; then, to test the
 I examine the adjustments of the transit and correct

transit No. 9223.

Preliminary test by Roger F. Wilson, of Buft & Buft

State of California, November 4, 1926.
 tests, by the District Cadastral Engineer for the
 The instruments were approved, subject to the usual field
 and declination arcs.
 is also the least count of the verniers of the latitude
 to each other and reading to single minutes of arc, which
 are provided with two double verniers, placed opposite
 with Smith solar attachments. The horizontal limbs
 with Buft & Buft transit Nos. 9984 and 1792, equipped
 November 14, 1926, by Dupree R. Avarill, U.S. Surveyor,
 U.S. Transman, with Buft & Buft transit No. 9223, and
 Survey commenced November 10, 1926, by Roger F. Wilson,

the sun on the meridian, the resultant readings of the
At app. noon, with latitude arcs unchanged, I observe
elevation arcs and determine meridians with the solar.
tude arcs unchanged, I set off 18°23' 5 S. on the de-
November 15, 1926: At 9h. Om. a.m., app't, with lati-

November 14, 1926.

arcs and determine meridians with the solar.
16' N. on the latitude arcs, 18°12' S. on the declination
Roger F. Wilson, heretofore described, I set off 34°
At 3h Om. p.m., app't, on the meridian determined by
observations on Polaris, I proceed as follows:
ing a.m. and p.m. hours with the meridian determined by
indications resulting from solar observations made dur-
then, to test the solar apparatus, by comparing their
transits and correct the level and collimation errors;
November 14, 1926: I examine the adjustments of the

Transits Nos. 9984 and 17992.

Preliminary test by Dupree R. Averill of Buff & Buff

November 10, 1926.

factory.
conclude that the adjustments of the transit are satis-
solar work come within 1'30" of the true meridian, I
As all solar observations during the usual hours of
meridian with the solar.
set off 17°7' S. on the declination arc and determine a
At 3h Om p.m., App't, with latitude arc unchanged, I
puted declination.
declination arc is 17°5' S., which agrees with the com-
the sun on the meridian, the resulting reading of the
At app. noon, with the latitude arc unchanged, I observe
a meridian with the solar.
tude arc, 17°2' S. on the declination arc, and determine
At 9h. Om. a.m., app't, I set off 34°16' N. on the lat-

Chains.

justment.

that the instruments have been maintained in proper ad-
work come within 1'30" of the true meridian, we conclude
As all solar observations during the usual hours of solar

meridians with the solar.

set off 8°25' S. on the declination arcs and determine

At 3h 0m p.m., app. t with latitude arcs unchanged, we

puted declination.

declination arcs are 8°28' S. which agree with the com-

the sun on the meridian, the resulting readings to the

At app. noon, with latitude arcs unchanged, we observed

meridians with the solar.

arcs. 8°30'.5 S. on the declination arcs and determine

At 9h 0m a.m. app. t, we set off 34°14' N. on the latitude

firmly in the ground, 5.00 chains north.

the meridian thus determined by a nail in a stake driven

the azimuth of Polaris, 1°18'40" to the east and mark

February 27, 1927; - At 7h. 30m. a.m., we lay off

February 26, 1927.

azimuth of Polaris at western elongation is 1°18'40"

firmly in the ground, 5.00 chains north.

mean point in the line thus determined on a stake driven

telescope in direct and reversed positions, and mark the

elongation, making four observations, two each with the

At 9h. 05m. p.m., 1.m.t., we observe Polaris at western

S.B.M., latitude 34°14' N. longitude 118°04' W.

February 26, 1927: at camp in SW. 1/4 sec. 29, T. 2 N. R. 11 W.

Final Tests.

November 15, 1926.

that the adjustments of the transits are satisfactory.

work come within 1'30" of the true meridian, I conclude

As all solar observations during the usual hours of solar

puted declination.

declination arcs are 18°26' S., which agree with the com-

Survey continued August 24, 1927, by Dupree R. Averill, U.S. Surveyor, and Roger F. Wilson, U.S. Transitman, with Bull & Bull transits Nos. 1792 and 9924, equipped with Smith solar attachments. The horizontal limbs are provided with two double verniers placed opposite to each other and reading to single minutes of arc. which is also the least count of the vernier of the latitude and declination arcs.

The instruments were approved, subject to the usual field tests, by the District Cadastral Engineer for the State of California, August 20, 1927.

Preliminary Tests.

We examine the adjustments of the transits and correct the level and collimation errors, then, to test the solar apparatus, by comparing their indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, we proceed as follows:

August 24, 1927: At camp in the B.R. sec. 1, T. 1 N., R. 12 W. S. B. N., latitude $34^{\circ}12'N.$, longitude $118^{\circ}05'W.$ at 6h.53m p.m., 1.m.t. we make an hour angle observation on Polaris, east of the meridian, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from the flag pole on lookout station on San Gabriel Peak, about 4 miles N. in the direction N-N to Polaris.

Watch set in correct 120th meridian standard time. Watch time of obsn., the mean of four readings is 7h 0m 40s p.m.

Mean horizontal angle from Polaris to flag is $12^{\circ}40'N-W.$ Azimuth of Polaris is 1 01 E.

True bearing of reference point is M. 11°39' W.

August 24, 1927. August 25, 1927: At 9h. 0m. a.m., app. t., we set off

September 21, 1927.

adjustment.

conclude the instruments have been maintained in proper solar work come within 1'30" of the true meridian, we As all solar observations during the usual hours of

meridians with the solars.

set off 0°50' N. on the declination arcs and determine At 3h 0m p.m. app.t, with latitude arcs unchanged, we puted declination.

declination arcs are 0°53' N., which agree with the com- the sun on the meridian, the resultant readings of the At app. noon, with latitude arcs unchanged, we observe

nine meridians with the solars.

itude arcs, 0°56' N. on the declination arcs and deter- At 9h. 0m. a.m., app.t we set off 34°14' N. on the lat-

26, 1927, and heretofore described.

itude 118°04' W. on the meridian, established February 1.2 N., R.11 W., S.B.M., in latitude 34°14' N., and long- September 21, 1927: at our station in the SW. 1/4 sec. 29

Final Tests.

August 25, 1927.

conclude the adjustments of the transits are satisfactory.

solar work come within 1'30" of the true meridian, we As all solar observations during the usual hours of

meridians with the solars.

set off 10°54' N. on the declination arcs and determine At 3h 0m p.m., app.t with latitude arcs unchanged, we the computed declination.

of the declination arcs are 10°56' N., which agrees with serve the sun on the meridian, the resultant readings At app. noon, with the latitude arcs unchanged, we ob-

tion arcs and determine meridians with the solars.

34°12' N. on the latitude arcs, 10°58' N. on the declina-

Chairs

Unless otherwise specified all measurements are made with Lullie steel tapes, 5 chains in length, compared with a standard tape and found correct. The measurements are made on the slope, the vertical angles determined with Dietzen clinometers or transit, and the slope measurements properly reduced to true horizontal distances for entry in the field notes.

 Dependent Resurvey of the East Boundary

of T.2 N., R.11 W.

The cor. of secs. 7, 12, 13 and 18, T.1 N., R.10 and 11 W. is an iron pipe 1 ft. above ground, in a mound of stone 2 ft. base and 1 ft. high, unmarked. This cor. was set by Legend Friel, a local surveyor in Los Angeles County, who informed me he had found the original stake, badly decayed, and the dilapidated mound of stone at this point. In place of pipe, set an iron post, 3 ft. long, 2 ins. diam. 24 ins. in the ground, for cor. of secs. 7, 12, 13 and 18, T.1 N., R.10 and 11 W., with brass cap marked.

T 1 N		
R 11 W		
8 12 8 7		
8 13 8 18		
1927		

of stone, 2 ft. base, and 1 1/2 ft. high west of cor. A cross (X) marked on rock outcrop 4 ft. diam. and 6 ins. above ground bears N. 86° E. 22 lks. dist. Orig. B.O. Thence North on a random line bet. secs. 7 and 12, and 1 and 6, T.1 N., R.10 and 11 W., searching for orig. cor. at record distances, without success, and setting temp. cor. at such record distances.

160.00 Set temp. cor. of T.1 and 2 N., R.10 and 11 W.

Thence, North on a random line bet. R.10 and 11 W. T.2 N., searching for orig. cor. at record distances, without success, and setting temp. cor. at such record distances.

searching for orig. cor. at record distances, without
 Thenoe, West on a random line bet. Ts.1 and 2 N., R.10 W.
 Set temp. cor.

40.00 Find no trace of $\frac{1}{2}$ sec. cor. Set temp. cor.
 50.21 Find no trace of cor. of Ts.1 and 2 N., Rs.9 and 10 W.

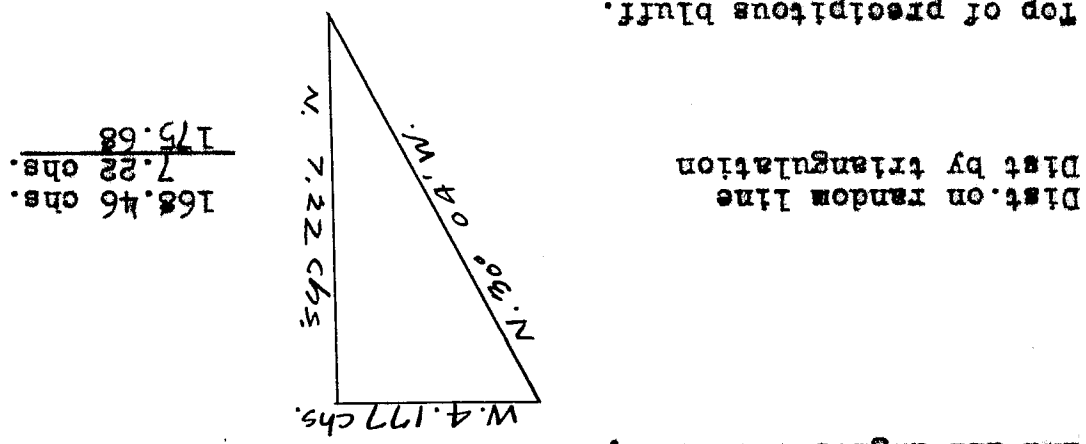
and 2 N., R.9 W.
 Thenoe, West on a random line bet. secs. 6 and 31, Ts.1
 remains of orig. post and dilapidated mound of stone.
 City of Pasadena at the point for cor. as identified by
 This cor. was set by the Engineering Department of the

COUNTY SURVEYOR		T 2 N R 9 W	
8 31	8 32	8 6	8 5
MONUMENT		19	

and 6 ins. above ground, marked
 is a bronze cap set in a block of concrete 12 ins. diam.
 The cor. of secs. 5, 6, 31 and 32, Ts.1 and 2 N., R.9 W.

Retraasement to Reestablish South and East Boundaries
 of T.2 N., R.11 W.

11 W., hereinafter described.
 175.68 Top of precipitous bluff.
 487.91 Fall 6.21 chs. E. of the cor. of Ts.2 and 3 N., Rs.10 and



Dist. on random line
 Dist by triangulation
 and all angles checked by deflection.
 dist., all bearings checked by direct reading of the solar
 on random line, the auxiliary flag bears west, 4.177 chs.
 line - + 33 1/2°; auxiliary flag bears N. 30° 04' W., from flag
 of San Gabriel River; vertical angle to flag on random
 168.46 Triangulate over precipitous bluff on N. side of West Fork

chains.

Chains.

476.68 Fall 1.02 chs. S. of the temp. cor. of Ts.1 and 2 N., success, and setting temp. core. at such record distances.

Ra.10 and 11 W.

From a point 0.69 chs. N. and 4.65 chs. W. of the temp. cor. of Ts.1 and 2 N., Ra.10 and 11 W. which point is proportionate in latitude bet. the orig.cor. of Ts.2 and 3 N., Ra.10 and 11 W. and the cor. of secs. 7,12,13 and 18, T.1 N., Ra.10 and 11 W. and record dist. in departure from the cor. of secs. 5,6, 31 and 32, Ts.1 and 2 N.

R.9 W.

West on a random line bet. Ts.1 and 2 N., R.11 W. searching for orig.cors. at record distances, without success, and setting temp. core at such record distances.

400.91

Set temp. cor. of secs. 5, 6, 31 and 32.

Thence, South on a random line bet. secs. 5 and 6, T.1 N. R.11 W.

40.00

Find no trace of $\frac{1}{2}$ sec. cor. Set temp. cor.

80.00

Find no trace of cor. of secs. 5, 6, 7 and 8, set temp.

cor. and continue random line south bet.secs. 7 and 8.

120.00

Find no trace of $\frac{1}{2}$ sec.cor. Set temp. cor.

163.16

Fall 1.36 chs. W. of the cor. of secs. 7,8,17 and 18, which is an iron pipe 2 ins. diam. 30 ins. above ground, in the original mound of stone, 2 ft.base and 1 ft.high. This cor. was set by Buck & Hayes, local surveyors, July 3, 1926, at the true point for cor. as identified by remains of old post and the dilapidated mound of stone. To further identify the above cor. I run S.bet.secs. 17 and 18, for $\frac{1}{2}$ mile and W. bet. secs. 7 and 18, finding restored original cors. at proper distances and checking the orig. topographical calls.

Alongside of the iron post, set an iron post 3 ft. long, 2 ins. diam. 27 ins. in the ground, for cor. of secs. 7,8,17 and 18, T.1 N., R.11 W. with brass cap marked